

1 SERVER-SIDE HTML CUSTOMIZATION BASED ON STYLE SHEETS AND A
2 TARGET DEVICE

3 ABSTRACT OF THE DISCLOSURE

4 A request reception module receives a request for a document stored
5 within document server. A parsing module parses the document to generate
6 therefrom a corresponding document object model (DOM) including at least one
7 object. A style sheet access module obtains a style sheet including at least one rule
8 directed to a target device for displaying the document. An style sheet application
9 module applies the at least one rule of the style sheet to the DOM. A flattening
10 module flattens the DOM to generate therefrom a corresponding transformed
11 document. A transmission module transmits the transformed document to a
12 requesting client program.